

INFORMATION REPORT

CIRCULATE 25X1
25X1

THIS IS UNEVALUATED INFORMATION

25X15. On 6 March, [REDACTED] two-axle trailer mounting a rotatable

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parabolic reflector in the Artillerie Kaserne in Frankfurt/Oder (O 53/V 63) near the fence of the installation where 16 x 85-mm AA guns were parked. (3)

25X1

6. On 9 March, [] two radar sets in the old Artillerie Kaserne near the 16 heavy AA guns parked at the drill ground of the installation. (4)

25X1

25X1 Babelsberg.

7. During the night of 28/29 April, two track-laying vehicles, each towing a trailer, arrived at the AAA position at the Bergstuecken settlement. The two trailers were parked 5 meters apart about 40 meters east of the AAA director. A parabolic reflector was mounted on the roof of one trailer; the other trailer mounted a generator. Two tents housing a detail of 20 to 25 men were seen beside the radar set. At noon on 3 May, when the tarpaulin was removed for 30 minutes from the parabolic reflector, [] that the top of this reflector was 20 or 30 cm higher than three soldiers working on it. The reflector had 10 radial ribs and consisted of a close-knitted brownish wire mesh. A stamp-like device fitted in the center of the reflector did not project beyond the plane formed by the edge of the reflector. The crew of the set was measuring the distance between the parabolic reflector and the AAA director. (5)

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8. On 7 May, [] radar set with parabolic reflector at the AAA position at the Bergstuecken settlement near Potsdam-Babelsberg (N 53/Z 63). The trailer mounting the parabolic reflector was painted grey-green. A box, about 25 x 25 x 35 cm, was seen on the roof of the trailer beside the parabolic reflector. Between 10:30 and 11:05 a.m., the crew operated the set. The parabolic reflector rotated at the rate of 10 rotations per minute. This rotating movement was suddenly slowed down, the reflector was moved to a horizontal position and then rotated in the opposite direction. Thereupon, six officers approached the set, spoke to the soldiers and then took notes. Subsequently, the crew members climbed to the top of the trailer, spread out maps and then worked on the socket and drive mechanism of the reflector. After a short test run, the rotating movement was stopped again and the crew members checked the cables on the ground. After the set was put in operation again for a short time, the operations were stopped. (6)

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Laerz.

9. During the period from 5 February to 8 March 1952, [] Dumbo-type radar set south of the western end of the east-west runway at Laerz (N 54/U 33) airfield.

10. On 18 March, no radar set [] at the field. On the following day, [] north of the southern hangar at Rechlin-Roggentin airfield.

11. On 15 March, no radar set [] at the field. On 31 March, [] radar set at Rechlin-Roggentin airfield about 1,500 meters east of Rechlin. (7)

Eberswalde.

12. On 11 and 26 December 1951, 9 and 22 January, 13 February and 27 March 1952, a Dumbo-type radar set [] on the eastern outskirts of Eberswalde (N 53/V 08). On 9 January, two small wooden buildings were erected beside the set. On 21 April, the set was removed. (8)

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25X1 Finow.

13. On 15 April, [] Dumbo-type radar set at the cantonment north of the Finow-Finowfurth railroad line. (9)

Gardelegen.

14. On 8 January, [] two Dumbo-type radar sets on Hill 63.2, east of Gardelegen (M 53/Y 44). (10) On 28 February, a parallel wire antenna was observed at the Remonte Kaserne on the roof of the building north of the main gate of the installation. On 17 March, one of the radar sets previously observed on Hill 63.2 was shipped toward Truettstedt (M 53/Y 54) on a three-axle truck []

15. On 5 February, [] second radar set at the radar position. A low wooden building and a braced radio tower about 8 meters high with an antenna had been newly erected there. The lines leading from the Remonte Kaserne to the radar position were supported by two wooden crossbars mounted on wooden poles. The upper crossbar supported 10 insulated single-wire lines, the lower one three twisted metallic circuits.

16. On 31 March, [] a second radar set was being set up at the radar station. Radio truck [] was seen near the set.

17. On 5 April, [] radar set of an undetermined type beside the Dumbo-type set at the radar position. (11)

Quedlinburg.

18. On 23 and 24 April, [] Dumbo-type radar set on the western slope of the Hammwarte Hill in Quedlinburg (M 52/D 35) and two radio masts north of the set. Truck [] carrying rations was proceeding to the radar station. (12)

Hillersleben.

19. On 18 January, [] Adcock DF station previously observed in a fenced-in area near the main street at Hillersleben (M 53/Y 51) was replaced by a Dumbo-type radar set previously located 100 meters east of the Adcock DF station. This set was last observed on 3 April. (13)

Plauen.

20. On 16, 18 and 25 April, two radar sets were observed on the Wart-huegel at Plauen (M 51/K 12). One of the sets had four rows of dipoles and rotated twice a minute. The other set was a Dumbo-type set. The two sets operated in turn, and a radio truck was observed beside each of them. A third radio truck [] and mounting a generator, and two air force soldiers were also seen near the radar sets. The former Artillerie Kaserne housed air force soldiers and a signal unit. An observation post occupied by a soldier with a field glass was seen on the roof of a billeting building. A siren was also seen there. (14)

Magdeburg.

21. On 13 and 18 January, [] Dumbo-type radar set at the northwestern edge of Magdeburg-South (M 53/Y 60) airfield. A cable, the thickness of a thumb, led from the set into a building

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25X1 at the installation.

22. On 17 March, [] radio mast, about 10 meters high and braced twice, near the radar set at Magdeburg-South airfield.

Cottbus.

23. On 1 March, [] Dumbo-type radar set on the roof of the Sachsenhof Kaserne in Cottbus (N 52/A 57). (15)

Gotha.

24. On 2 December 1951, [] radar set on a hill north of the Sundhausener Kaserne in Gotha (M 51/J 06). A braced radio mast was seen near the radar set from which six single-wire lines led to a building in the western section of the barracks installation. The radar set was operated by personnel quartered there. (16)

25X1

25X1 Wittstock.

- 25X1 25. [] Dumbo-type radar set previously observed south of the MVD building at Wittstock (N 54/U 11) airfield was dismantled between 9 and 12 January. On 9 March, [] 5 soldiers at the location of the former radar position. They covered the dug-out with earth. Wire lines extended from a wooden pole near the dug-out to the barracks installation at the airfield. On 7 January, 5 soldiers were observed dismantling the radar set west of the barracks installation. The radar set was removed by two trucks [] During the following night, the set was set up near the quarry east of the hospital. (18) Two radio trucks were being dug in immediately east and west of the set and protected by a wooden roof. On 1 February, six soldiers were observed carrying 3 boxes, about 50 x 50 x 25 cm, provided with handles from a low wooden building to the radio trucks. (19) At 9:45 a.m. on 8 February, 1 officer and 10 soldiers proceeded from this low wooden building to the radar position; 4 soldiers entered the western radio truck and 6 entered the eastern radio truck. A two-stroke motor was started and 10 minutes later the radar set began to move at a rate which reached 10 rotations per minute. Several times, the set was oriented toward an airplane which had taken off from the field. At 11:10 a.m., operations stopped.

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26. During the period from 26 February through 23 March, [] Dumbo-type radar set east of the hospital at Wittstock airfield. The former radar position south of the MVD building was deserted. In early March, [] telephone line being constructed from the airfield past the eastern outskirts of Wittstock toward Christdorf (N 54/U 10). Each of the poles of the line mounted 13 insulators.

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25X1 Jueterbog.

27. On 26 March, [] Dumbo-type radar set apparently mounted on the roof of a building of the barracks installation at Jueterbog-Damm airfield. (20)

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25X1 Wismar.

28. On 22 March, [] Dumbo-type set south of the barracks installation on Luebsche Strasse, Wismar (M 54/T 49). (21)

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25X1 Warnemuende.

29. On 25 February, [] seven-section directional antenna on a one-family house in the eastern section of Warnemuende (M 55/0 82) on the north side of the road leading to Markgrafenheide (M 55/0 82). (22)

25X1 Eberswalde.

30. On 23 January, [] premises of the Maerkisches Elektrizitaetswerk (power station) in Eberswalde (N 53/Z 08) a radio truck [] A Yagi-type antenna consisting of four horizontal dipoles, 50 to 60 cm long, and four directors was seen on top of the truck. At 11 a.m., the antenna rotated clockwise around its vertical axis for about 20 minutes at a rate of about 10 rotations per minute; while the antenna was rotating, a cracking noise was heard any time the antenna was directed toward an amplifier of the power station. On 30 January, the set had left the power station.

Weimar.

31. On 7 July 1951, [] radar station in the Ettersburg Forest, about 5 km northwest of Weimar (M 51/J 57). A mast, about 7 meters high, supported two horizontal rectangular frames, 2 x 3 meters large, consisting of tubes 2 or 3 cm in diameter. The longitudinal sides of the frames mounted five horizontal rods, about 40 cm long. Cables extended from the antenna to a tent set up around the mast. A truck was parked near the radar station. (24)

Potsdam.

32. In late January, [] braced mast, about 12 meters high in the area of the former Polizei Kaserne at 10/12 Jaegerallee in Potsdam (N 53/Z 63). Rods and frames were seen on top of this mast. On 29 February, the set was being dismantled. (25) (26)

25X1 [] Comments.

- (1) For location and view sketch of the set, see Annexes 1 and 2. The set was observed for the first time [] on 11 September 1951. It is believed to be an AAA fire control set, type SCR-584, operated by the 31st AAA Div which is located at Schoenwalde airfield.
- (2) This item of information refers to a RUS-2 radar set. [] this set was located at the southwest edge of the field, about 100 meters east of the AAA position, on 18 March. Also this set is believed to be operated by the 31st AAA Div.
- (3) For sketch of the set, see Annex 3 A. The equipment is believed to be a SCR-584 set similar to the one observed in Schoenwalde. The Artillerie Kaserne quarters the 32d AAA Div (US) which is directly assigned to the GOFG.
- (4) For sketches of the two sets, see Annex 3, B and C. The set reproduced in sketch B definitely is a SCR-584 set, while the equipment drawn in sketch C probably is a target-seeking set.
- (5) This AAA emplacement belongs to the 2d Gds AAA Div of the IV Arty Corps which is directly assigned to the GOFG.
- (6) For photographs and sketches of this set, see Annexes 4 through 9. The photographs indicate that the equipment is a SCR-584 type set. The photographs were taken by a Leica camera the objective of which

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has a focal length of 13.5 cm. Photograph 1 (Annex 7) shows a rear view of the set. The photograph was enlarged 39 times. Photograph 2 (Annex 8) represents the front view of the set. This photograph was enlarged 12.5 times. Photograph 3 (Annex 9) shows the set and its generator. The photograph was enlarged 11 times. (7) This Dumbo-type radar set is operated by the fighter division headquarters in Laerz. It appears that this set had different positions which were used in turn.

According to the present report, the set has been stationary since about 10 March at the location where it was observed from early September to early December 1951. This location was designated "new location of the radar set"

The set probably moved to a position north of Finow airfield. (9) This set is believed to have previously been located in Eberswalde. It is probably assigned to the fighter division headquarters in Finow and moved to the location where it was observed in September 1950.

(10) For sketch of the radar station, see Annex 10. During the period from early January to 17 March 1952, a second Dumbo-type set was available at its location. In March, one of the Dumbo-type sets was replaced by a radar set of an undetermined type.

(11) For a sketch of the radar set of an undetermined type, see Annex 11.

(12) Vehicles appear to belong to signal units equipped with Dumbo-type radar sets. These signal units are directly assigned to the GORF. The unit operating the radar set is located at the Mummenthalschule (school) in Quedlinburg.

(13) This Adcock DF station was last observed on 24 November 1951.

(14) The existence of two sets at this radar position was previously observed

This information is of interest inasmuch as this vehicle belongs to the fighter division at Grossenhain and Alt Loennwitz. The radar station in Plauen may, therefore, be connected with the fighter division in Grossenhain. For location of the two sets, see Annex 12; for sketch of the set with four rows of dipoles, see Annex 13. In early March 1952, a set of the same type was observed at the radar position at Gardelegen. According to this set is operated by the fighter division in Laerz. It appears as if each fighter division located in the western portion of the zone is assigned a radar set. Previously, these radar stations had only one Dumbo-type radar set each. However, available information indicates that, beginning in early March 1952, these stations were provided with a second radar set having four rows of dipoles. Possibly one of the sets is used for the detection of targets, the other one for the control of formations.

(15) For location of this radar set, see Annex 14. The existence of this station is reported for the first time. The Sachsenhof Kaserne probably quarters a regiment of the 9th Mecz Div. However, it is doubtful whether this set is operated by this unit.

(16) This equipment is a Dumbo-type set. For its location, see Annex 15. The Sundhausener Kaserne quarters a motorized rifle regiment and an artillery regiment of the 57th Gds Mtz Rifle Div.

(17)
(18)
(19)

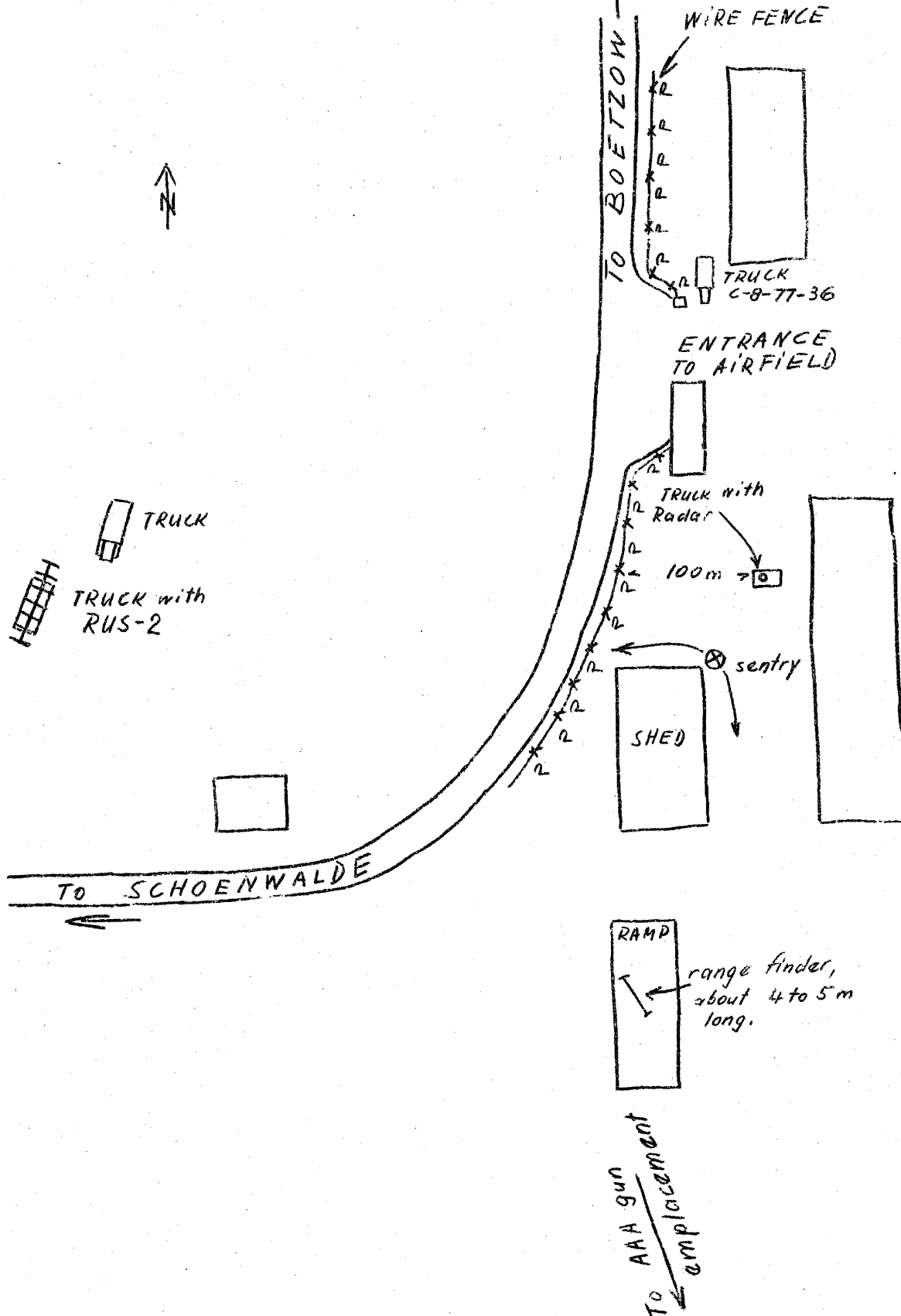
(20) The existence of this set is reported for the first time.

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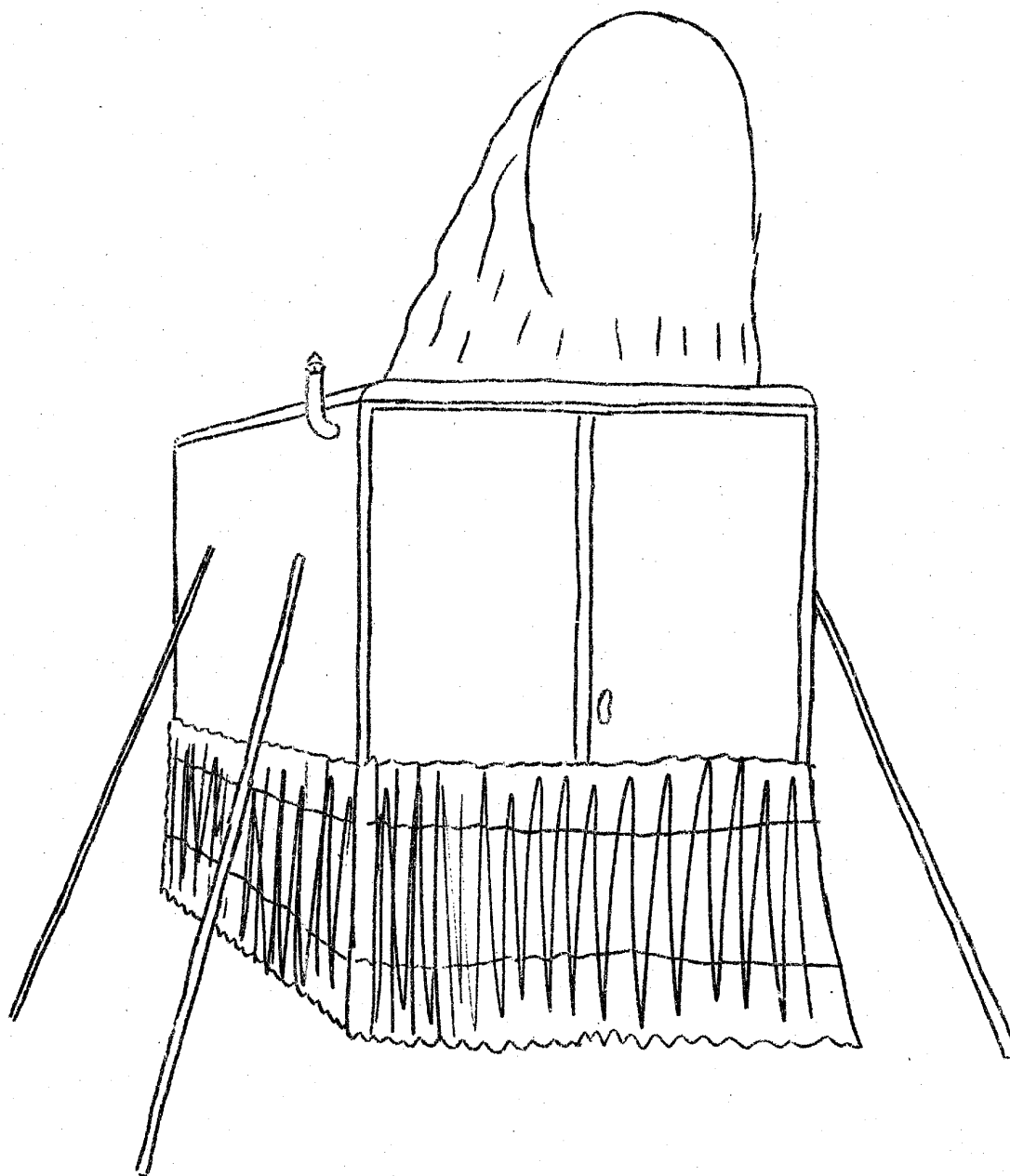
- (21) This radar station was previously known.
- (22) For photographs of this set, see Annex 16. The equipment is a RUS-2 type set.
- (23) For sketch of the aerial of this radar set, see Annex 17. The set appears to be an early warning set of type AA No 4 MK 3 (V). It is interesting to note that the set is similar to those reproduced in Annex 11 and 13. Each of the two sets has four rows of dipoles while the number of directors varies. One set has four directors and no reflector while the other set is fitted with five directors and one reflector. The latter set possibly is an improved version of the former set. The [redacted] 25X1 observed belongs to an unidentified AAA division of the Fourth Gds Mecz Army to which the set is believed to be assigned.
- (24) For sketch of the radar station, see Annex 18. The sketch indicates that the set is the same as that previously observed in Eberswalde. The set is located close to an AAA position of the 13th AAA Div of the Eighth Gds Army.
- (25) For sketch of this set, see Annex 19. The existence of such a set is not known, it may be a Dumbo-type set.
- (26) For tabulation of all radar sets listed in the report, see Annex 20.

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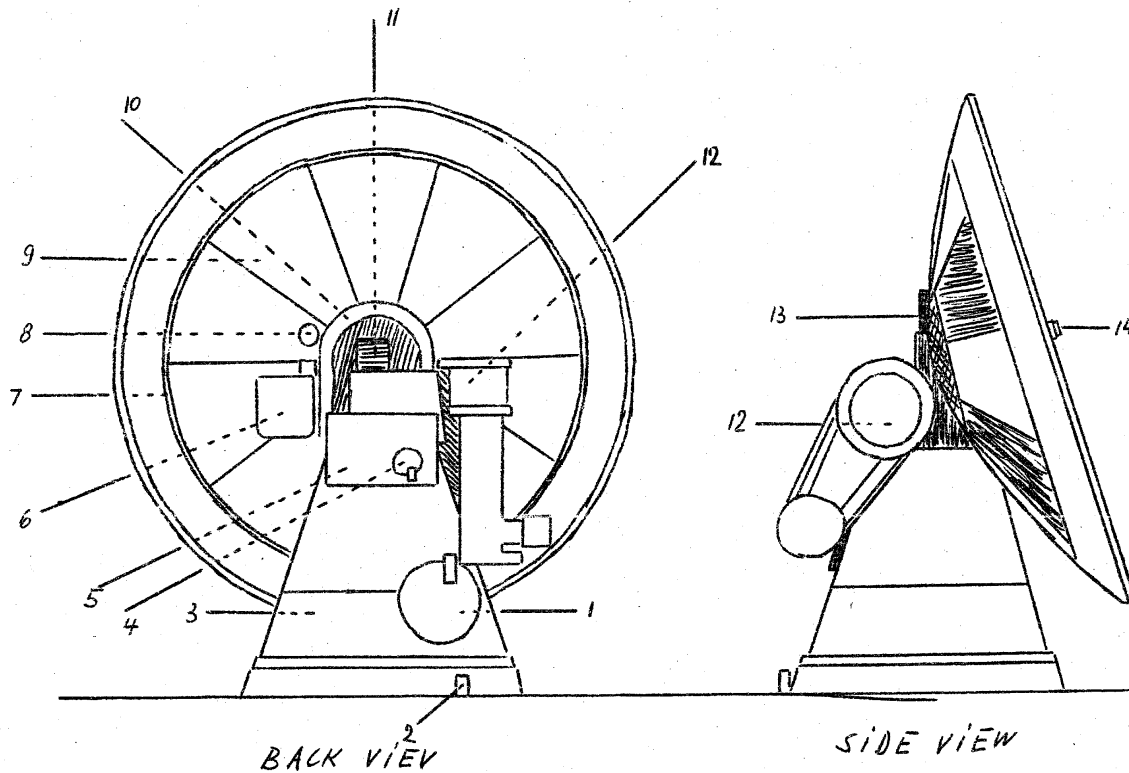
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Radar Set (covered) at Schoenwalde

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Radar Set Observed in Babaisberg

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Legend: See next page

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Annex 3

- 2 -

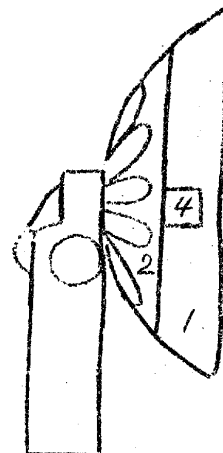
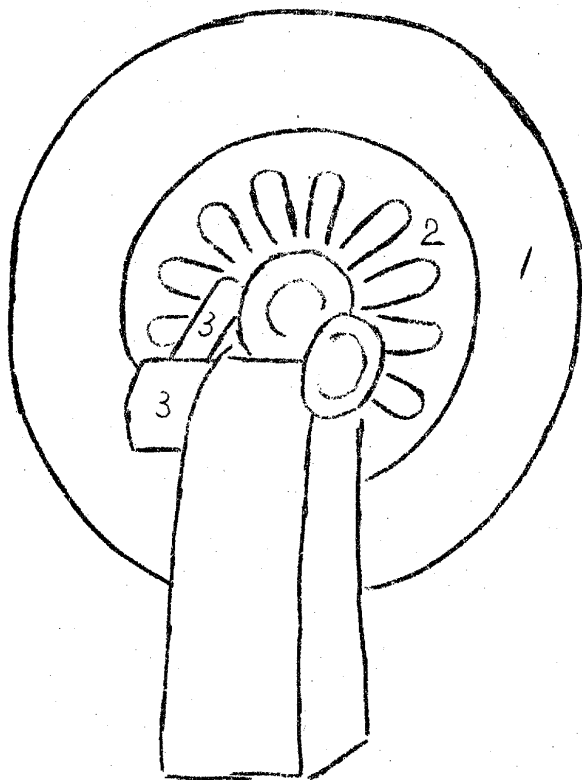
Legend:

- 1 Outer basket consisting of wire netting; diameter upward of 170 cm
- 2 Inner basket of perforated sheet metal
- 3 Box-like devices
- 4 Bright cylinder

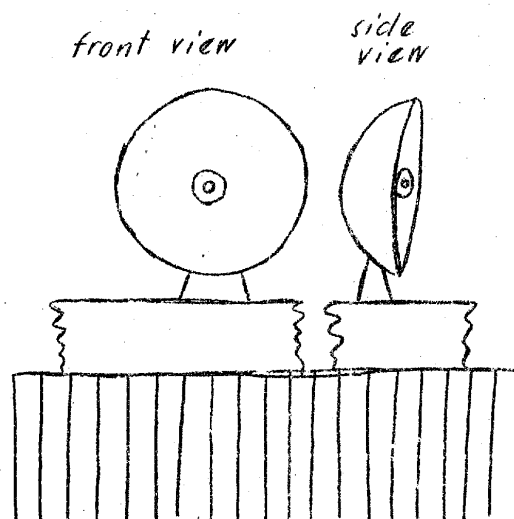
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Legend: See next page.



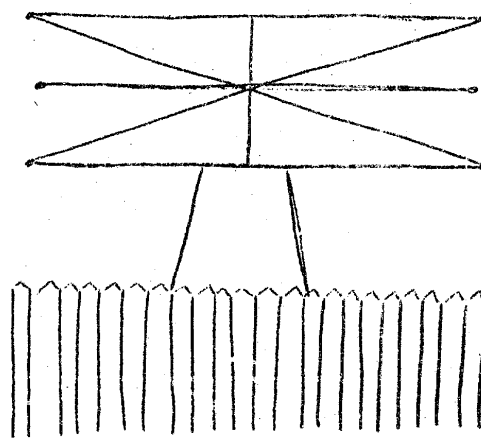
sketch A



wooden fence
two meters high

RADAR SET I

SKETCH B



wooden fence
two meters high

RADAR SET II

SKETCH C

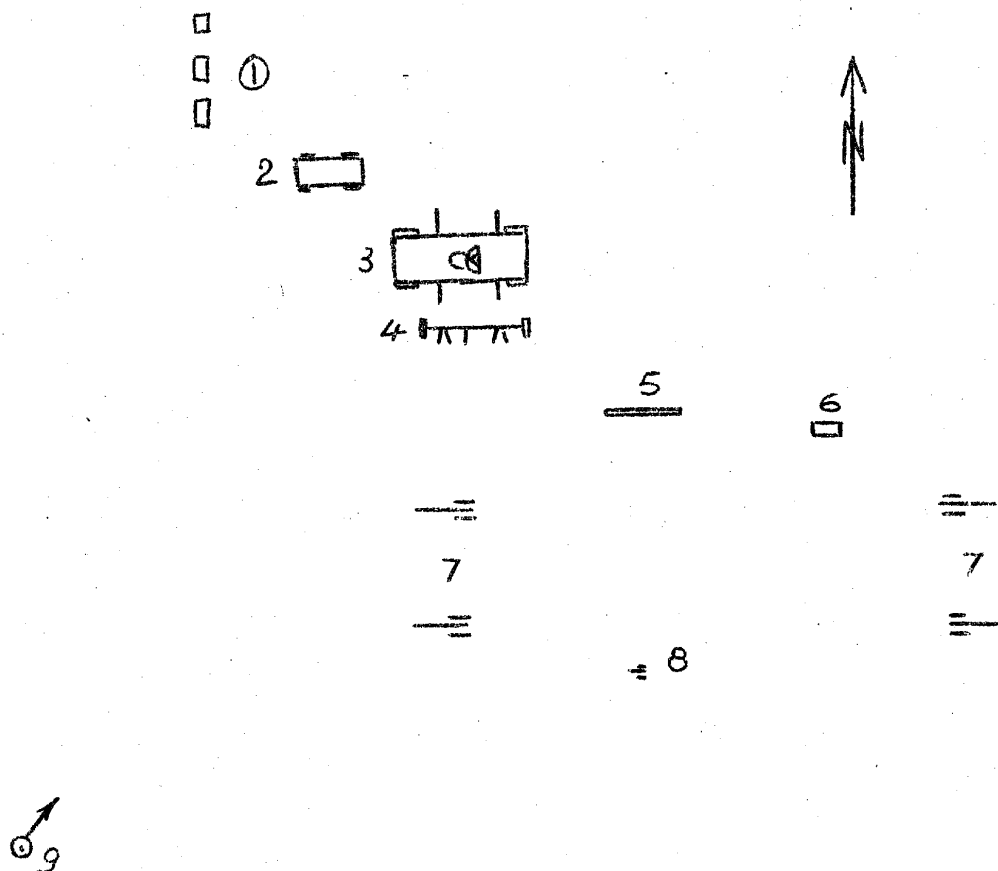
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Radar Set Observed in Babelsberg.

Legend:

- 1 Lid on base of set
- 2 Pivot
- 3 Base
- 4 Lid
- 5 Wedge-shaped box of drive mechanism
- 6 Cylinder
- 7 Screen or reflector
- 8 Bolt or pivot
- 9 Bracing or rib
- 10 Horseshoe-shaped tube
- 11 Small box with a cable lead-in
- 12 Rectangular box for drive mechanism
- 13 Plate taking up about one fifth of screen diameter
- 14 Piston with a white head, projecting slightly beyond edge of screen.

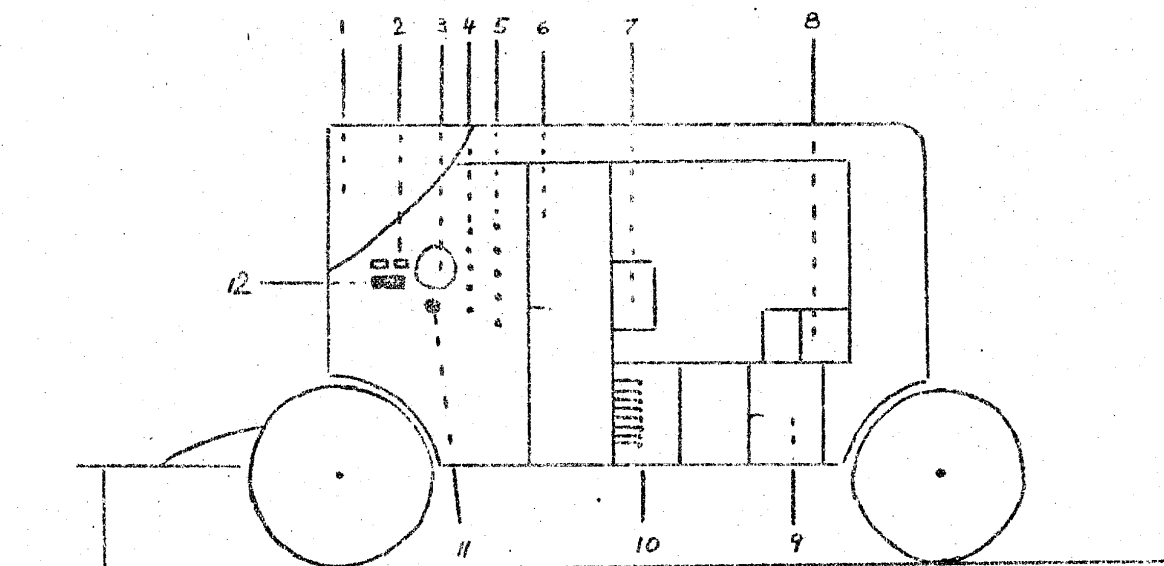
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- Legend: 1 Three tents
2 Truck with generator
3 Truck trailer with parabolic reflector
4 Tube array in front of trailer
5 Range finder
6 Control box
7 Four 85-mm AA guns
8 AA machine gun
9 Position from which photographs were taken

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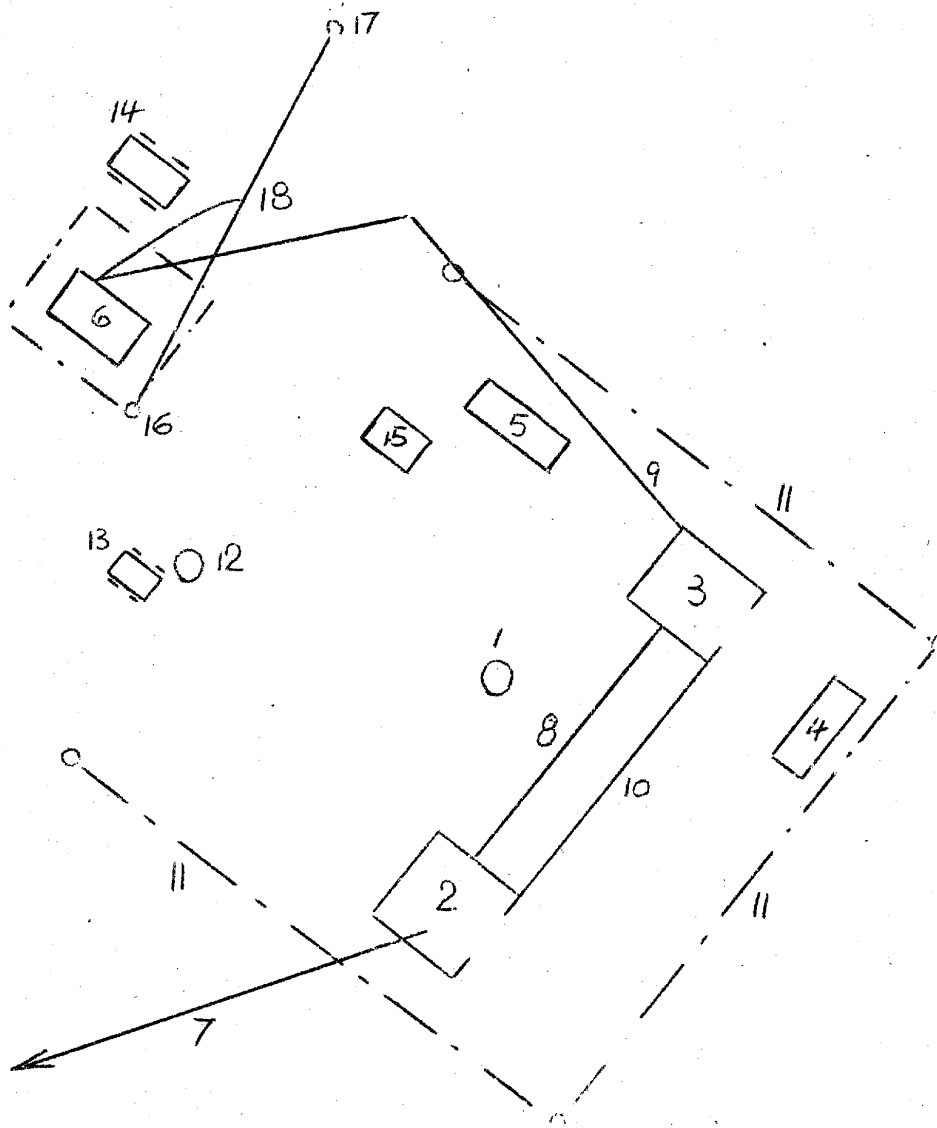
Truck Mounting a Generator as Observed at Babelsberg

Legend:

- 1 Trailer section covered with a tarpaulin
- 2 Two white stripes
- 3 Large white circle
- 4 Small row of buttons
- 5 Large row of buttons
- 6 Row of push buttons
- 7 Large black box
- 8 Undetermined device
- 9 Cabinet
- 10 Row of push buttons
- 11 Large button
- 12 Black cross stripe

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Legend: See next page.



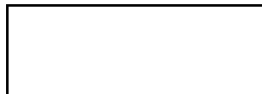
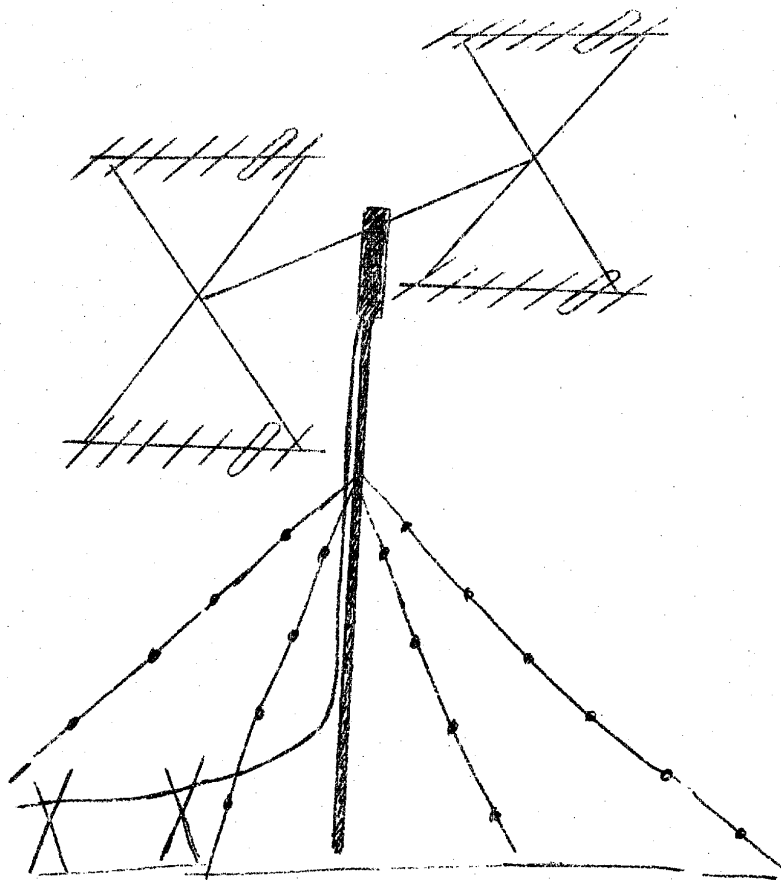
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Radar Station at Gardelaren.

Legend:

- 1 Radar set
- 2 and 3 Low wooden buildings, each of them 4 x 8 meters
- 4, 5 and 15 Wooden structures, 3 x 3 meters, projecting 1 meter above the ground
- 6 Radio truck
- 7 Line to the Remonte Kaserne, 12 to 15 wires
- 8 An undetermined number of earth-return circuits
- 9 Metallic circuit
- 10 Antenna wire
- 11 Wooden fence with searchlights at the corners
- 12 New radar set
- 13 and 14 New radio trucks
- 16 Wooden mast, 15 meters high
- 17 Braced steel mast, 12 meters high
- 18 New antenna

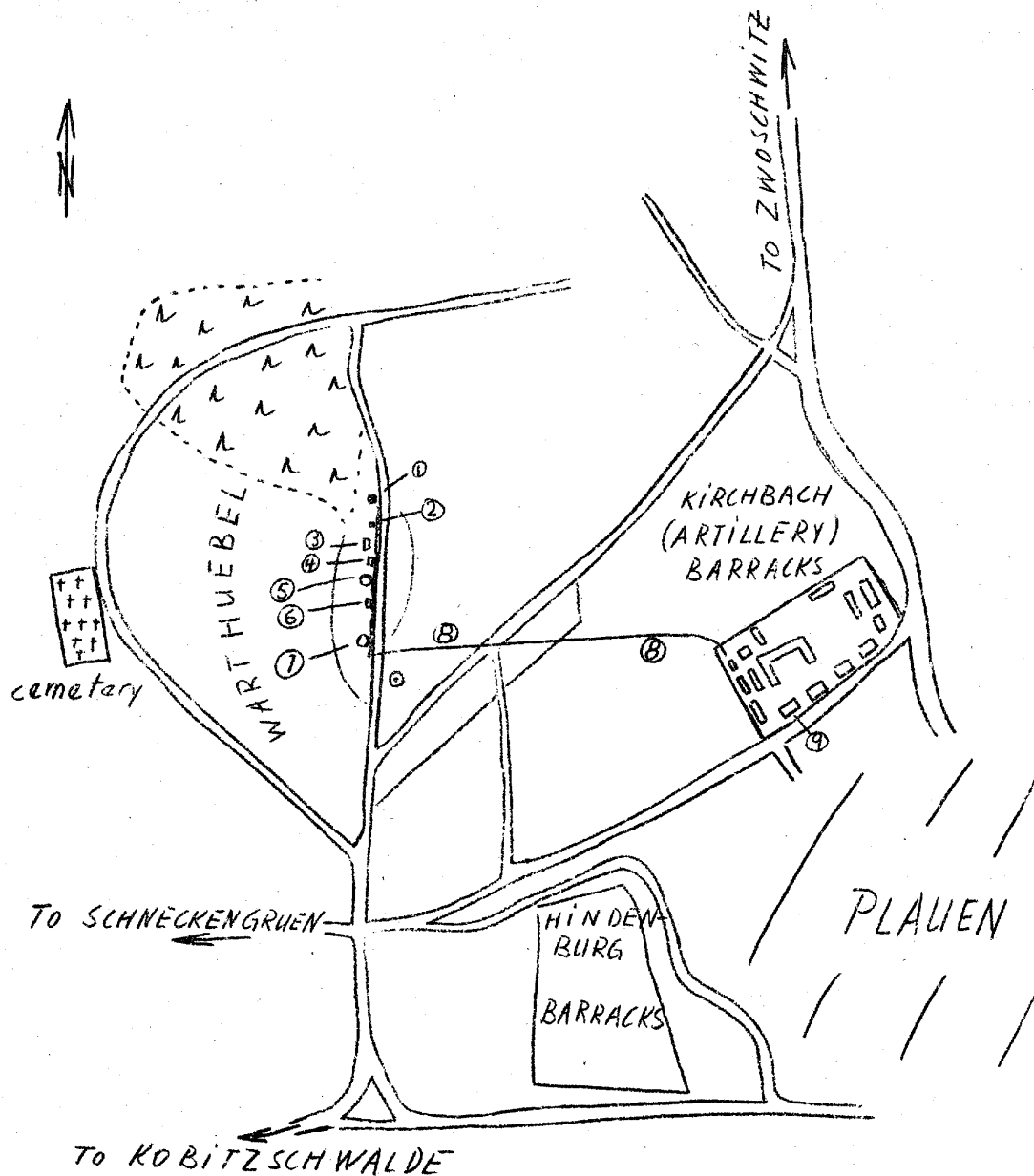
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Radar Set at Gardelapen

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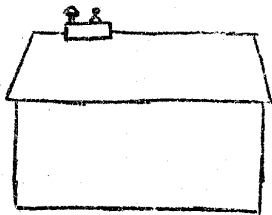


Legend:

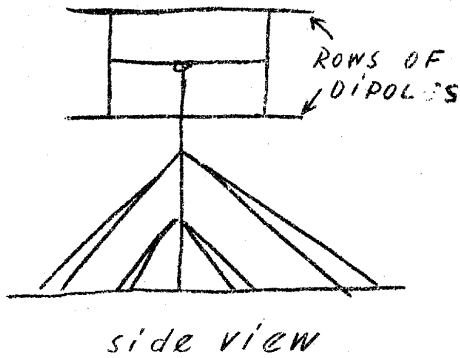
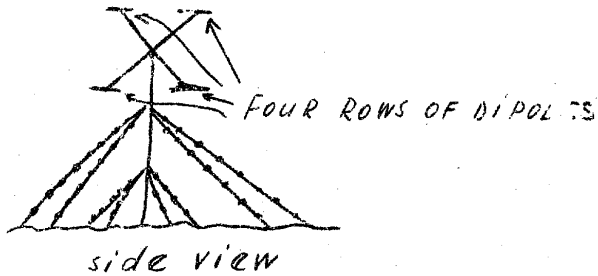
- 1 Quarters facilities
- 2 Vehicle probably mounting a generator
- 3 Radio truck
- 4 Radio truck
- 5 Dumbo type radar set
- 6 Radio truck
- 7 Radar set with four rows of dipoles
- 8 Six to eight overhead cables from Warthuebel Hill to the Artillerie Kaserne
- 9 Quarters of signal unit

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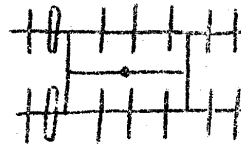
observation post



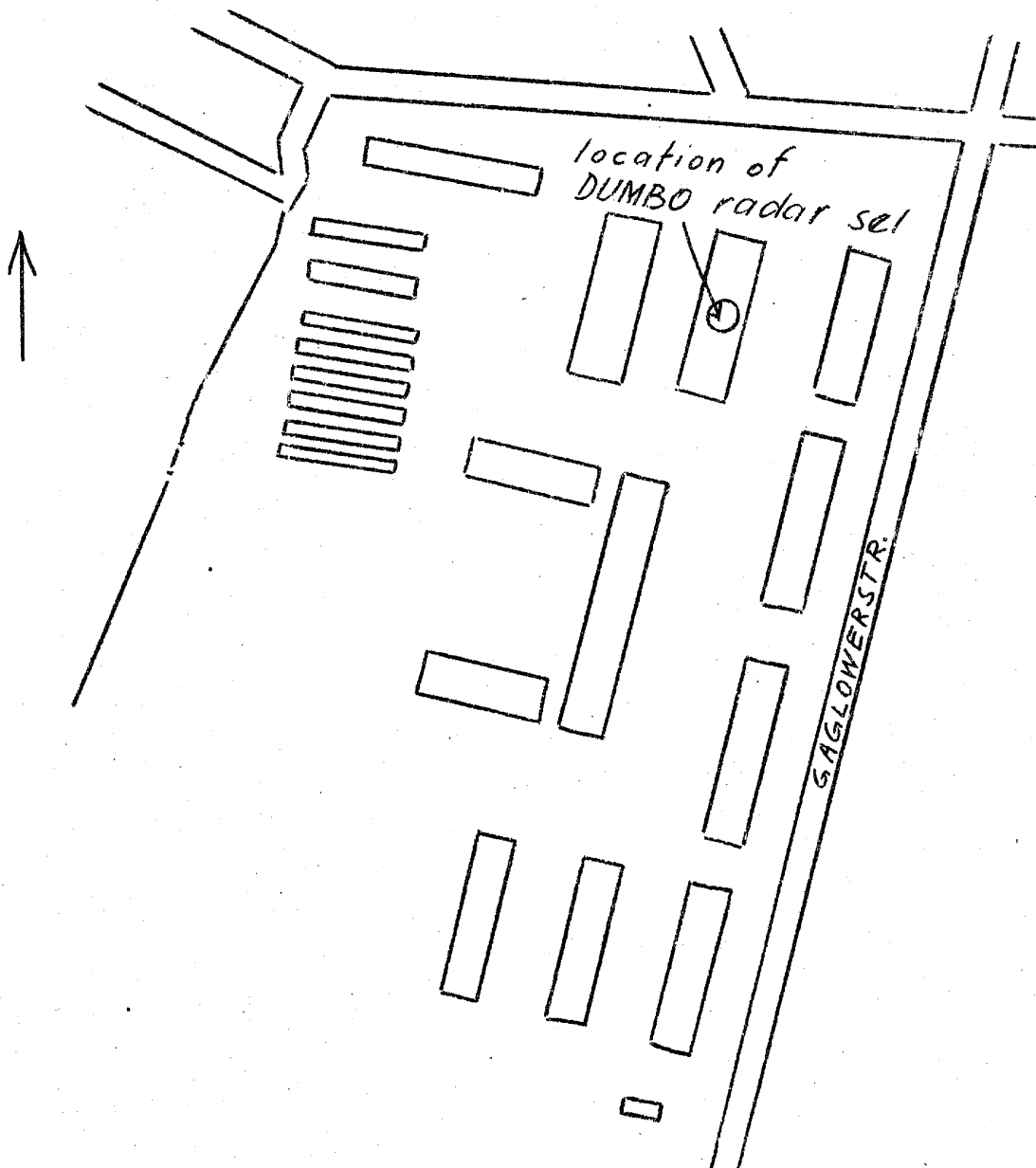
Detail sketch of the
RADAR SET WITH FOUR
ROWS OF DIPOLES



top view

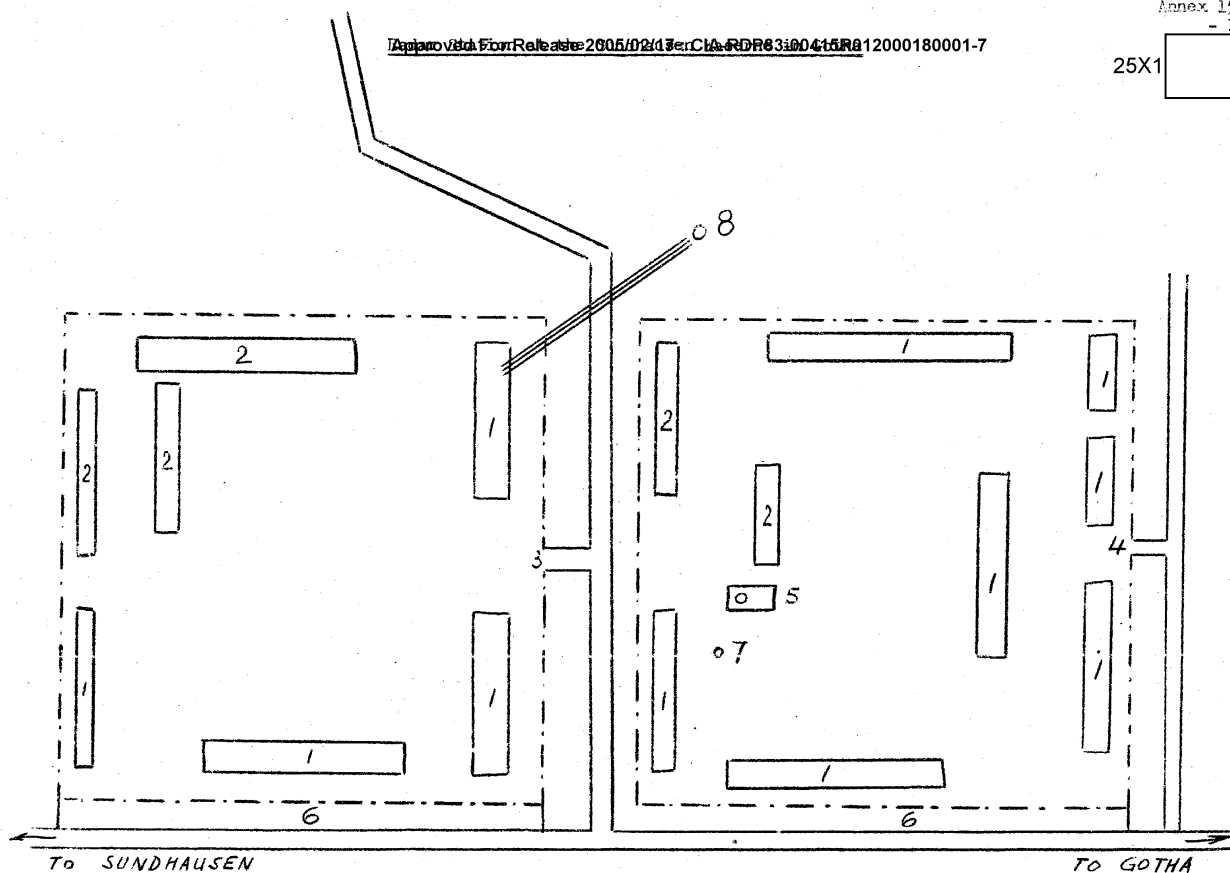


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Location Sketch of Radar Set at the Sachsendorf Kaserne in Cottbus

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Legend: See next page

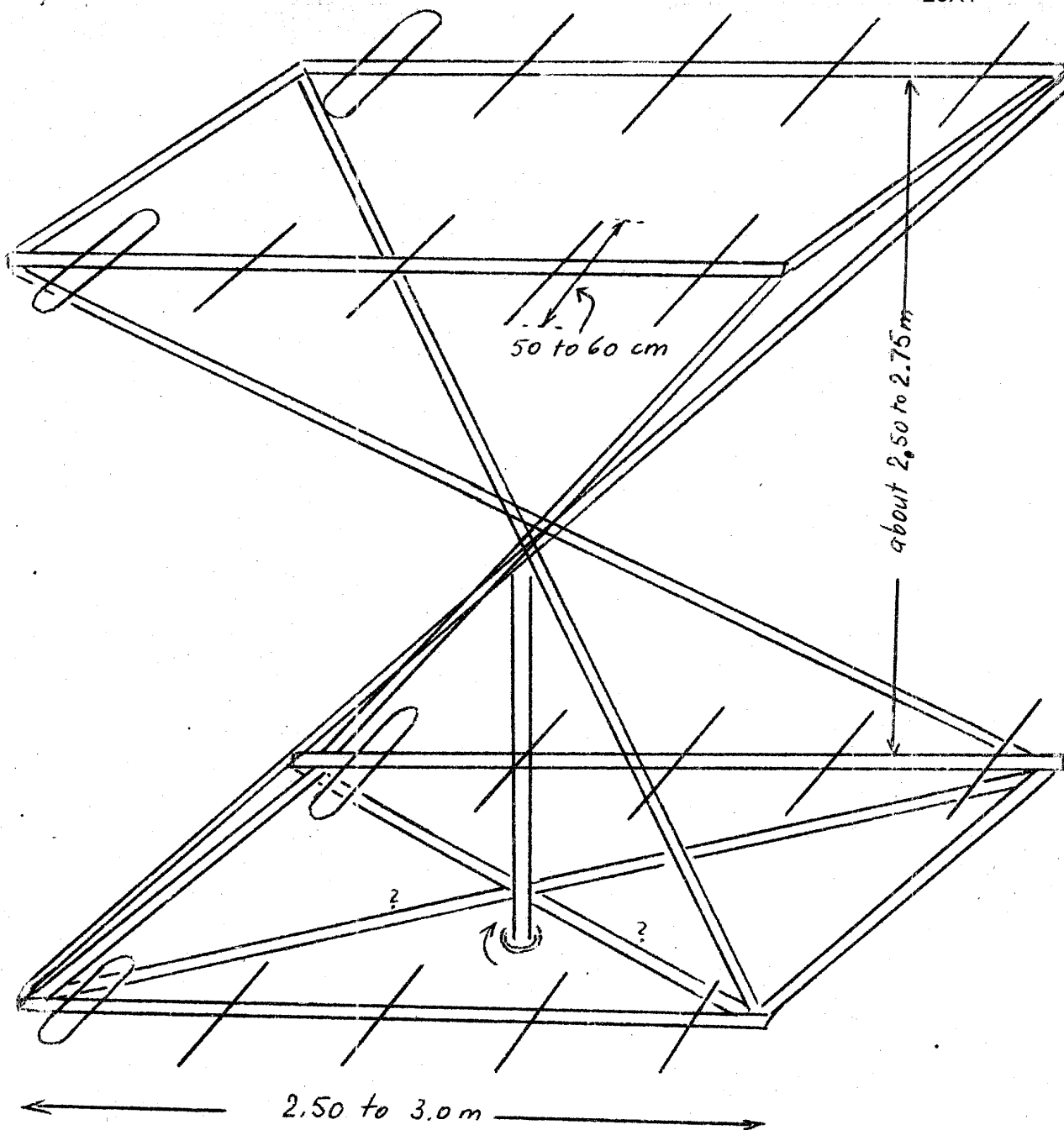
Radar Station at the Sundhausen Kaserne in Gotha.

Legend:

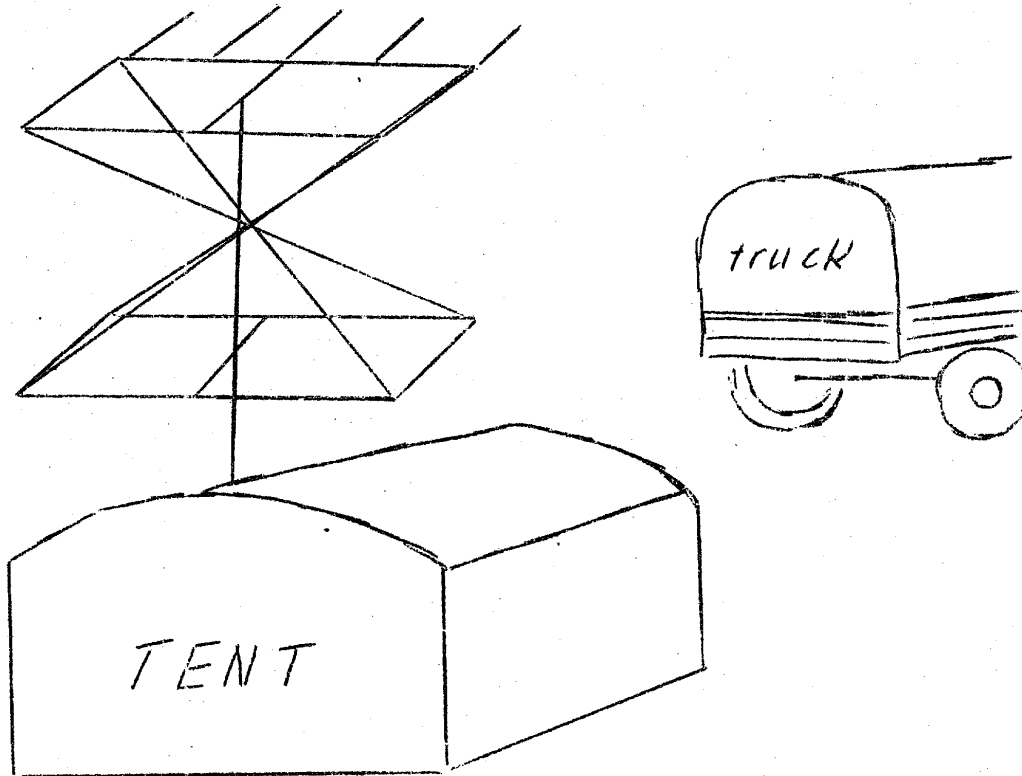
- 1 EM and officers' quarters
- 2 Garages
- 3 Gate to second section of barracks installation
- 4 Gate to first section of barracks installation
- 5 Radar set
- 6 Area with dwelling houses, some of them occupied by civilians
- 7 Radio mast
- 8 Radar set

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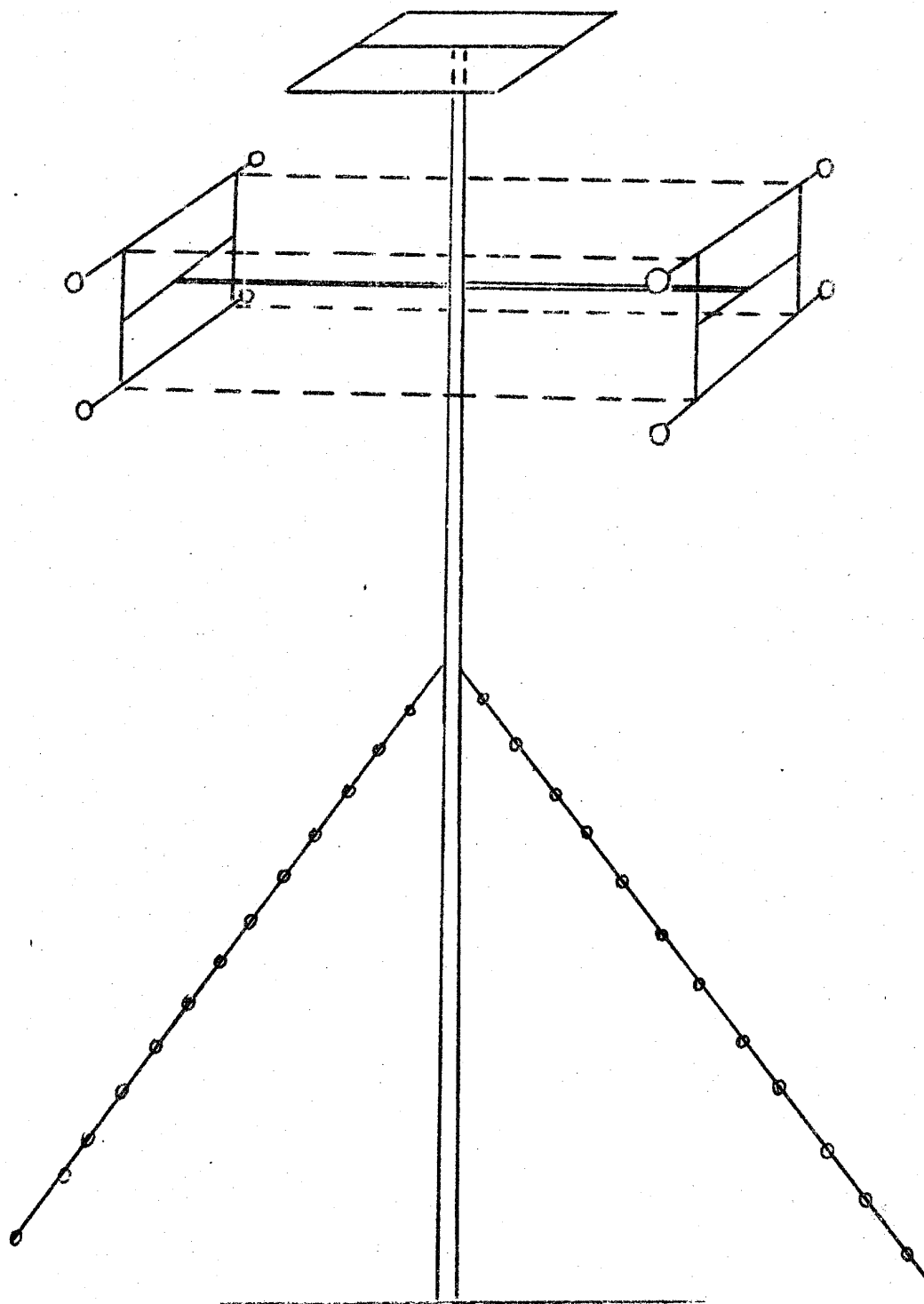


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Radar Set at Polizei Kaserne in Potsdam



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Tabulation of Radar Sets Listed in the Report.

Location	Type	Last Date of Observation in 1952	Date of Dismantling in 1952	Tactical Assignment
Schoenwalde	SCR-584		18 February	31st AAA Div
Schoenwalde	RUS-2	25 February	-	31st AAA Div
Frankfurt/Oder	SCR-584	9 March	-	32d AAA Div
Frankfurt/Oder	?	9 March	-	32d AAA Div
Babelsberg	SCR-584	7 May (14 May)	-	2d Gds AAA Div
Laerz	Dumbo	31 March	-	Ftr Div Laerz
Eberswalde	Dumbo	27 March	unknown	probably Ftr Div Finow
Finow	Dumbo	15 April	-	probably Ftr Div Finow
Gardelegen	Dumbo	(21 May) MGL-13354	-	probably
Gardelegen	Dumbo		17 March	Ftr Div
Gardelegen	Set with 4 rows of dipoles	(21 May) MGL-18854	-	Laerz
Quedlinburg	Dumbo	24 April	-	
Hillersleben	Dumbo	3 April		
Plauen	Dumbo	25 April	-	Ftr Div
Plauen	Set with 4 rows of dipoles	25 April	-	Grossenhain
Magdeburg	Dumbo	17 March	-	
Cottbus	Dumbo	1 March	-	
Gotha	Dumbo	2 December 1951	-	
Wittstock	Dumbo	23 March	-	Ftr Corps
Wittstock	Dumbo		-	Headquarters
Wittstock	Dumbo		-	Wittstock
Jueterbog	Dumbo	26 March	-	
Jueterbog	SCR-584	May MGL-18866	-	
Wismar	Dumbo	22 March	-	

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EX-20

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Location	Type	Last Date of Observation in 1952	Date of Dismantling in 1952	Tactical Assignment
Warnemuende	RUS-2	25 February	-	
Eberswalde	AA No 4 MK 3 (V)	23 January	unknown	? AAA Div of the Fourth Mecz Army
Weimar	AA No 4 MK 3 (V)	7 July	?	13th AA Div of the Eighth Gds Army
Potsdam	Dumbo ?	January February	29 February	

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